

RP



# University of Hawaii at Manoa

Environmental Center  
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May 25, 1990  
RP:0123

Mr. Manabu Tagomori, Deputy Director  
Commission on Water Resource Management  
Department of Land and Natural Resources  
P.O. Box 621  
Honolulu, Hawaii 96809

Dear Mr. Tagomori:

Application for a Stream Channel Alteration Permit  
Kahaluu Stream Estuary  
Kaneohe, Oahu

This project will entail construction of a 42 inch water main crossing downstream of the bridge below the 'invert' of the stream. The Environmental Center has conducted a brief review of the above document with the assistance of Paul Ekern, Water Resources Research Center; and Carolyn D. Cook, Environmental Center. Reviewers concur that there will probably be no negative impacts on the environment, but were unable to achieve a definitive conclusion due to a lack of detail in the assessment.

What is the piling design? Are existing pilings from an old bridge going to be used? Do the plans incorporate knowledge of geomorphology of the channel other than depth?

The document refers to 'invert' or 'invert of channel' on pages 2 and 4 respectively, and the Application For Permit To Alter A Stream Channel refers to 'invert of stream'. Although we assume this refers to the elevation of the stream bed, it is not clear what is meant by the term 'invert' in this context.

We are unable to provide any further comments or suggestions without a more comprehensive description of the project. Thank you for the opportunity to comment on this application for Stream Alteration Permit.

Yours truly,

*John T. Harrison*  
John T. Harrison  
Environmental Coordinator

cc: OEQC  
L. Stephen Lau  
Paul Ekern  
Carolyn D. Cook